

Denver Station					
Item	Description	Unit	Qty	Rate	Amount
1	Ticket Office				
1.1	Remedial works to joinery: replacement of 3 x drawers, replacement of handles to match existing .	SUM	1		
1.2	Remedial work to Anti-bandit door: fix or replace door closer	SUM	1		
1.3	Lock-sets to station managers office(1x door)	Item	1		
1.4	Pressure Jetting of existing drainage & replacement of missing manhole covers	SUM	1		
1.5	Remedial works to ablution:replacement of Cistern	Item	1		
1.6	Boundary wall: Repair and installation of Damaged palisade panels to match existing	m	5		
	Total carried to summary				
2	<u>Sub-way drainage:</u>				
2.1	Clearing of existing debris/waste including carting away and pumping underground water out of the trench	Sum	1		
2.2	Chop/break the existing reinforced concrete floor slab and cart away spoil	m³	12		
2.3	Restricted excavation for the perforated pitch fibre sub-soil pipes (300 x 300) as shown in the drawing including compaction to 90% modified AASHTO	m³	20		
2.4	Lay 100mm dia perforated pitch fibre pipe (sub-soil drainage pipe) including 250 micron impervious membrane (bidum) as shown in the drawing along the entire breadth of the station.rate to include compacting to 90% modified AASHTO and backfilling	m	50		
2.5	19mm crushed stone as shown in the drawing	m³	20		
2.6	Cast concrete 25 Mpa (300mm x 200mm x 80m)	m³	4.8		
2.7	Construct wing wall, headwall and apron slab for the eye of the sub-soil discharge point rate to include reinforcement, formwork as show in the drawing 25 mpa concrete	m³	1.5		
2.8	Cast V-drain channel (500mm wide & 50mm thick)	m³	3.5		
	Total carried to summary				
3	<u>Subway works</u>				
3.1	31.8mm Handrail Steel tubing to ramps	m	150		
3.2	31.8mm Handrail Steel tubing to staircase	m	35		
3.3	High corrosion resistant surface mounted LED luminaire with wireguard	Item	12		
	Total carried to summary				

	<u>Extra over trench and hole excavations in earth for excavation in:</u>				
7.1.3	Soft rock.	m ³	1.00		
7.1.4	Hard rock.	m ³	0.50		
	<u>Extra over all excavations for carting away (no allowance made for increase in bulk):</u>				
7.1.5	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor.	m ³	4.00		
	<u>Risk of collapse of excavations:</u>				
7.1.6	Sides of trench and hole excavations not exceeding 1,5m deep.	m ²	20.00		
	<u>Keeping excavations free of water:</u>				
7.1.7	Keeping excavations free of all water other than subterranean water.	Item	1.00		
	<u>FILLING, ETC.</u>				
	<u>Filling from excavated material compacted to 95% Mod. AASHTO density:</u>				
7.1.8	On trenches etc	m ³	6.00		
	<u>Compaction of surfaces:</u>				
7.1.9	Compaction of ground surfaces under floors, etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density.	m ²	40.00		
	<u>TESTS</u>				
	<u>Prescribed density tests on filling:</u>				
7.1.10	Modified AASHTO density test.	No	2.00		
7.2	<u>BILL NO.2 : CONCRETE, FORMWORK AND REINFORCEMENT</u>				
	<u>25Mpa/19mm Concrete:</u>				
7.2.1	Trenches	m ³	3.00		
7.2.2	Ditto, for benches	m ³	2.00		
	<u>TEST CUBES</u>				
7.2.3	Making and testing set of three 150 x 150 x 150mm concrete strength test cubes.	sets	2.00		

7.8	BILL NO.7 :SOLAR POWER				
	Solar Power:				
7.8.1	12KW 3 phase Inverter	Item	2		
7.8.2	Auto change Over Switch 2P/63A	Item	1		
7.8.3	Lithium 51.2V100AH 5.12KWH, 1C Battery	Item	4		
7.8.4	580W Tier 1 solar Panel	Item	20		
7.8.5	Solar Panel Mounting Structure	Item	1		
7.8.6	Solar Power System Installation Fee and Consumables	Item	1		
7.8.7	Allow a sum for trenching, earthing,commissioning.Installation fee includes: Battery Installation, SolarMounting Channels & Structures, Inverter to DB wiring &connection, Panel to Combiner Box Cabling, Combiner boxto Inverter Cabling, Three-phase wiring & Commissioning	SUM	1		
	SUMMARY				
1	Ticket Office				
2	Sub-way drainage:				
3	Subway works				
4	Supply and install fire equipment:				
5	Platform works				
6	Platform: New Operational and Corporate signage				
7	Platform: 1 x New waiting shelter with brick bench				
8	Solar Power:				
	Subtotal				
8	Preliminaries				
	Subtotal including Preliminaries				
9	Contingencies @ 5%				
	Subtotal including contingencies				
	Vat @15%				
	Total carried to form of offer				